

CLAIMS

What is claimed is:

1. A method for preprocessing business rules, the method comprising the steps of:

translating at least one business rule into Structured Query Language (SQL);

transmitting the SQL to a database tier to act on data of the database tier; and

evaluating the data based on the SQL in the database tier.

2. The method of claim 1, wherein the step of translating comprises translating at least one business rule into a WHERE class condition.

3. The method of claim 1, wherein the step of transmitting comprises transmitting the SQL to the database tier via a Query Data Service.

4. The method of claim 1, wherein the step of evaluating further comprises the step of determining whether at least one condition of at least one business rule is met.

5. The method of claim 4, further comprising executing an action if at least one condition of the at least one business rule is met.

6. The method of claim 5, wherein the step of executing an action further comprises generating correspondence.

7. The method of claim 1, wherein the step of transmitting is initiated by a change to data stored in the database tier.

8. The method of claim 1, wherein the step of transmitting is initiated by a scheduling service.

9. The method of claim 8, wherein the scheduling service initiates the step of transmitting at predetermined intervals.

10. A system for preprocessing rules, the system comprising:
a business rules module for storing at least one business rule;
a data manager for translating the at least one business rule to Structured Query Language (SQL); and
a query data service for transmitting the SQL to a database tier, wherein evaluation of the SQL against data of the database tier occurs at the database tier.

11. The system of claim 10, wherein the SQL is operable as a WHERE class condition.

12. The system of claim 10, wherein the evaluation determines whether at least one business rule condition is met.

13. The system of claim 12, further comprising a correspondence module for generating correspondence if the at least one business rule condition is met.

14. The system of claim 13, wherein correspondence is generated based on data matching the SQL and a correspondence template.

15. The system of claim 10, further comprising a scheduling service for initiating, at predetermined intervals, transmission of at least one business rule to the data manager.

16. The system of claim 15, wherein the data manager is alerted to initiate translation of the at least one business rule based on information received from the scheduling service.

17. The system of claim 10, further comprising an auditlog manager for determining when a change to data of the database tier has been made.

18. The system of claim 17, wherein the data manager is alerted to initiate translation of the at least one business rule based on actions detected by the auditlog manager.

19. The system of claim 10, wherein the system is implemented as a Service Oriented Architecture (SOA).

20. The system of claim 10, wherein the data is isolated to the database tier.